

LISTING OF CLAIMS

The following listing of claims is unchanged and remains pending in the current application.

LISTING OF CLAIMS

1. (previously presented) An information acquisition method for acquiring information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of the mobile body, at least one of nodes indicating a landmark, an area, or an intersection;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history; and

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval,

wherein information relating to a predicted travel destination or a predicted travel route is acquired.

2. (original) The information acquisition method of Claim 1, wherein the kind of the key in the second step includes at least one of time, date, weather, and a position and a travel route of the mobile body.

3. (canceled)

4. (original) The information acquisition method of Claim 1, wherein
in the second step, determination of the condition for retrieval is performed based
on statistical processing.

5. (original) The information acquisition method of Claim 4, wherein
the second step includes:
a step (a) of selecting a candidate of the condition for retrieval; and
a step (b) of calculating entropy for each prediction probability value of one or
more travel destinations where the mobile body might advance under a selected
condition candidate, and

wherein the steps (a) and (b) are repeated alternately, and the condition for
retrieval is specified from the selected candidates based on values of the calculated
entropies.

6. (original) The information acquisition method of Claim 1, wherein
in the third step,
each prediction probability of one or more travel destinations where the mobile
body might advance is obtained, and
prediction is performed based on each obtained prediction probability.

7 – 8. (canceled)

9. (previously presented) An information acquisition method for acquiring information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history; and

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval,

wherein information relating to a predicted travel destination or a predicted travel route is acquired,

wherein an intersection through which the mobile body has traveled in two or more directions among intersections in a travel route is set as a node.

10. (previously presented) An information acquisition method for acquiring information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history in a form of segment of travel start and travel end, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history; and

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval,

wherein information relating to a predicted travel destination or a predicted travel route is acquired.

11. (original) The information acquisition method of Claim 1, further comprising the step of:

predicting a new travel destination or a new travel route where the mobile body will advance before the mobile body starts a travel from the travel destination or the travel route predicted in the third step.

12. (canceled)

13. (original) An information presenting method for presenting information relating to a travel destination of a mobile body, comprising:

a first step of acquiring relating information on a travel destination predicted according to the information acquisition method of Claim 1; and

a second step of determining information to be presented on the travel destination based on the information acquired in the first step,

wherein the determined information to be presented is presented.

14. (original) The information presenting method of Claim 13, wherein
the second step includes the steps of:
referencing information indicating a correspondence among positions, names,
and genre names to which the positions belong; and
determining at least one of the name and the genre name of the travel
determination as information to be presented.

15. (previously presented) An information presenting method for presenting
information relating to a travel destination of a mobile body, comprising:
a first step of accumulating, as a travel history, a travel route obtained from a
history of position information of the mobile body;
a second step of determining, as a condition for retrieval, a kind and a category
of a key at retrieval on the travel history;
a third step of performing retrieval on the travel history under the condition for
retrieval to predict one or more travel destinations or travel routes where the mobile
body will advance and to obtain a prediction probability of the predicted travel
destination,
based on a result of the retrieval;
a fourth step of acquiring information relating to a predicted travel destination;
and
a fifth step of determining information to be presented on the travel destination
based on the information acquired in the fourth step,
wherein the determined information to be presented is presented,

wherein the fifth step includes the steps of:

referencing information indicating a correspondence among positions, names, and genre names to which the positions belong; and

determining, as information to be presented, the name of the predicted destination when the prediction probability of the predicted travel destination exceeds a predetermined value, and otherwise determining the genre name thereof as information to be presented.

16. (original) The information presenting method of Claim 13, wherein the first step includes the step of calculating an estimated necessary time for transferring from a current position of the mobile body to the predicted travel destination as relating information by referencing the travel history.

17. (original) The information presenting method of Claim 16, wherein in the first step, road/traffic information up to the travel destination is acquired via the network, and in the second step, an actual necessary time up to the travel destination with consideration of traffic circumstances is estimated by referencing the estimated necessary time and the road/traffic information.

18 – 20. (canceled)

21. (previously presented) An information presenting method for presenting information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history;

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile body will advance, based on a result of the retrieval;

a fourth step of acquiring information relating to a predicted travel destination;
and

a fifth step of determining information to be presented on the travel destination based on the information acquired in the fourth step, taking account of a cognitive load of a user who receives information presentation,

wherein the determined information to be presented is presented.

22. (previously presented) An information acquisition system comprising:

a history accumulation section that accumulates, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of a mobile body, at least one of nodes indicating a landmark, an area, or an intersection;

a condition determination section that determines, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history accumulated in the history accumulation section; and

a prediction section that performs retrieval on the travel history under the condition for retrieval to predict one or more travel destinations for which the mobile body will advance based on a result of the retrieval,

wherein information relating to the travel destination predicted by the prediction section is acquired.

23. (canceled)

24. (previously presented) A program for allowing a computer that at least one of information equipment and a server includes to execute the information acquisition method of any one of Claims 1, 9, or 10.

25. (previously presented) An information presenting method for presenting information relating to a travel destination of a mobile body, comprising:

a first step of accumulating, as a travel history, a travel route obtained from a history of position information of the mobile body;

a second step of determining, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history;

a third step of performing retrieval on the travel history under the condition for retrieval to predict one or more travel destinations or travel routes where the mobile

body will advance and to obtain a prediction probability of the predicted travel destination, based on a result of the retrieval;

a fourth step of acquiring information relating to a predicted travel destination;
and

a fifth step of determining information to be presented on the travel destination based on the information acquired in the fourth step,

wherein the determined information to be presented is presented,

wherein the fifth step includes the steps of:

referencing information indicating a correspondence among positions, names, and genre names to which the positions belong; and

setting level of detailedness about the information to be presented in accordance with the prediction probability of the predicted travel destination obtained in the third step.

26. (previously presented) An information acquisition system comprising:

a history accumulation section that accumulates, as a travel history in a form of inter-node transition, a travel route obtained from a history of position information of a mobile body;

a condition determination section that determines, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history accumulated in the history accumulation section; and

a prediction section that performs retrieval on the travel history under the condition for retrieval to predict one or more travel destinations for which the mobile body will advance based on a result of the retrieval,

wherein information relating to the travel destination predicted by the prediction section is acquired,

wherein the information acquisition system further comprises means for setting an intersection through which the mobile body has traveled in two or more directions among intersections in a travel route as a node.

27. (previously presented) An information acquisition system comprising:

a history accumulation section that accumulates, as a travel history in a form of segment of travel start and travel end, a travel route obtained from a history of position information of a mobile body;

a condition determination section that determines, as a condition for retrieval, a kind and a category of a key at retrieval on the travel history accumulated in the history accumulation section; and

a prediction section that performs retrieval on the travel history under the condition for retrieval to predict one or more travel destinations for which the mobile body will advance based on a result of the retrieval,

wherein information relating to the travel destination predicted by the prediction section is acquired.